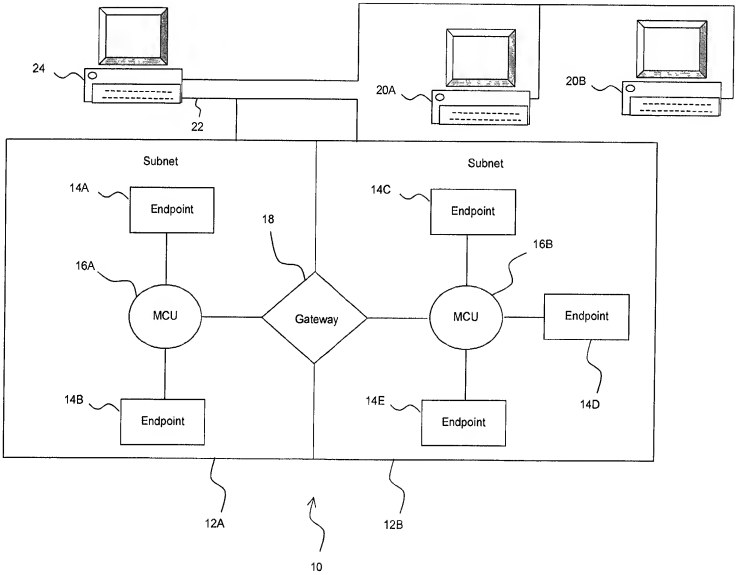

24
22
20A
20B
Subnet
Subnet
14A
Endpoint
18
14C
Endpoint
16B
16A
MCU
Gateway
MCU
Endpoint
14D
14B
Endpoint
14E
Endpoint
12A
12B
10

FIG. 1

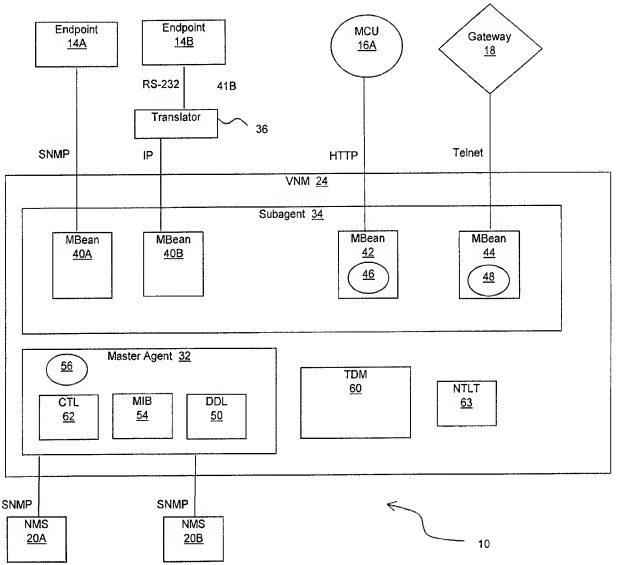

Endpoint
14A
Endpoint
14B
MCU
16A
Gateway
18
RS-232
41B
Translator
36
SNMP
IP
HTTP
Telnet
VNM 24
Subagent 34
MBean
40A
MBean
40B
MBean
42
46
MBean
44
48
Master Agent 32
56
CTL
62
MIB
54
DDL
50
TDM
60
NTLT
63
SNMP
SNMP
NMS
20A
NMS
20B
10

FIG. 2

Discovered Device List

VNM-Device-ID	Device-Type-Code	Device-Description	Specific-IP
Dev-01	52	PictureTel 900Series ver3.5	10.12.12.8
Dev-02	14	Accord MGC100 ver3.0	10.12.12.15
...	...	...	...

FIG. 3

NMS-Traplist Lookup Table

NMS-ID	Traplist-ID
NMS-01	Traplist-01
NMS-02	Traplist-03
NMS-03	Traplist-62
...	...

FIG. 5

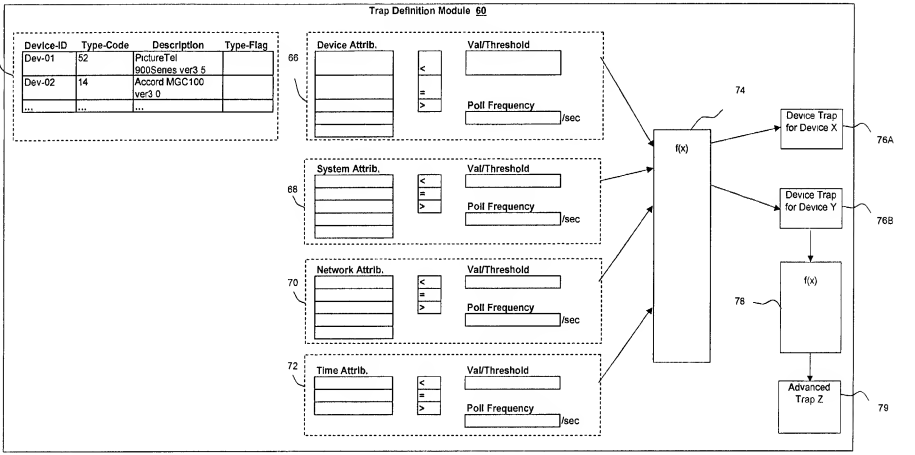
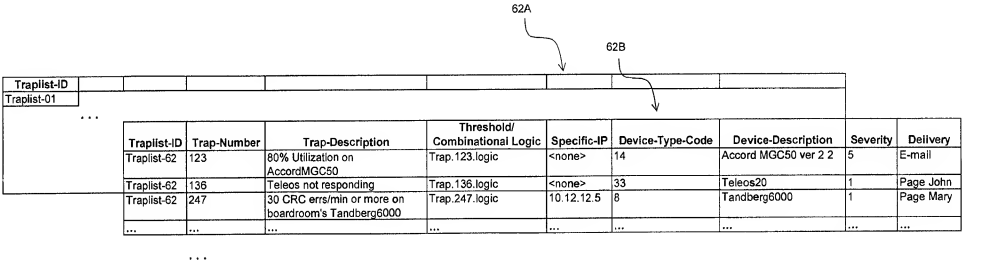

Trap Definition Module 60
64
Device-ID
Type-Code
Description
Type-Flag
Dev-01
52
PictureTel 900Series ver3.5
Dev-02
14
Accord MGC100 ver3.0
66
Device Attrib.
Val/Threshold
Poll Frequency
/sec
68
System Attrib.
70
Network Attrib.
72
Time Attrib.
74
f(x)
Device Trap for Device X
76A
Device Trap for Device Y
76B
78
Advanced Trap Z
79

FIG. 4



Traplist-ID	Trap-Number	Trap-Description	Threshold/ Combinational Logic	Specific-IP	Device-Type-Code	Device-Description	Severity	Delivery
Traplist-62	123	80% Utilization on AccordMGC50	Trap.123.logic	<none>	14	Accord MGC50 ver 2 2	5	E-mail
Traplist-62	136	Teleos not responding	Trap.136.logic	<none>	33	Teleos20	1	Page John
Traplist-62	247	30 CRC errs/min or more on boardroom's Tandberg6000	Trap.247.logic	10.12.12.5	8	Tandberg6000	1	Page Mary
...	...	...	...	...	...	...	...	...

FIG. 6

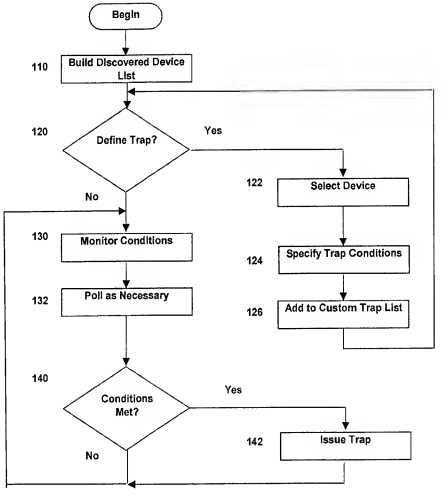

Begin
110
Build Discovered Device List
120
Define Trap?
Yes
No
122
Select Device
124
Specify Trap Conditions
126
Add to Custom Trap List
130
Monitor Conditions
132
Poll as Necessary
140
Conditions Met?
Yes
No
142
Issue Trap

FIG. 7

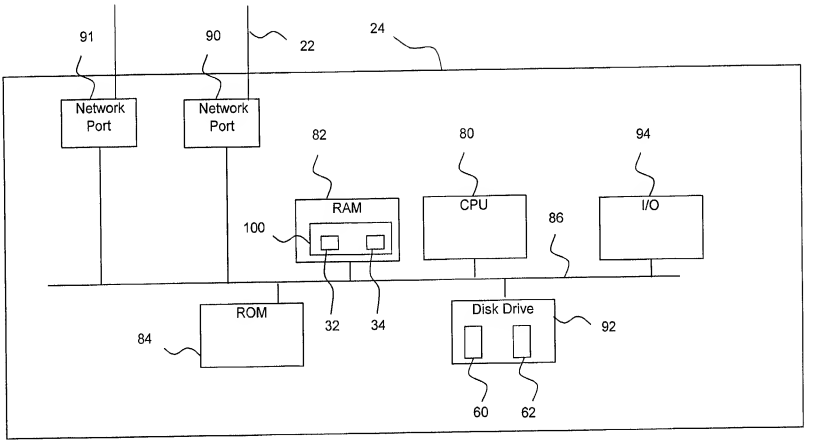

91
90
22
24
Network Port
Network Port
82
80
94
RAM
CPU
I/O
100
86
ROM
32
34
Disk Drive
92
84
60
62

FIG. 8